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FORM**

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Total Number of Pages in This Submission	Attorney Docket Number	3016658 (88405-000231)
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**ENCLOSURES (check all that apply)**

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment / Reply (26 pgs) <input checked="" type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Return Receipt Acknow. Postcard
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**Remarks****SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm	Hiscock & Barclay, LLP		
Signature			
Printed Name	Eleanor M. Hynes, Esq.		
Date	May 17, 2006	Reg. No.	58,013

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I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Signature			
Typed or printed name	Kathleen A. Manczuk	Date	May 17, 2006

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*Kathleen A. Manczuk*  
Kathleen A. Manczuk

Appl. No. : 10/734,462 Confirmation No. 9693  
Applicant : Bruce W. Smith  
Filed : 12/12/2003 Art Unit: 2851  
Title : METHOD FOR ABERRATION DETECTION AND MEASUREMENT  
Examiner : Kevin C. Gutierrez  
Docket No. : 3016658 US01  
Customer No. : 44,331

Mail Stop: Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

## RESPONSE TO OFFICE ACTION

Sir:

Responsive to the March 17, 2006 Final Office Action, Applicants submit the following Amendment:

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.

**Remarks** begin on page 6 of this paper.

An **Appendix** including an amendment and argument submitted by J. Chen to the Patent Office on October 29, 2003 is attached following page 9 of this paper.